

3-20-2013

Exploring Gradient: An interactive online peer-review and assessment tool.

Pat Reid

Purdue University, patreid@purdue.edu

Akesha Horton

Purdue University, akesha@gmail.com

Follow this and additional works at: <http://docs.lib.purdue.edu/idcpres>



Part of the [Higher Education Administration Commons](#), [Higher Education and Teaching Commons](#), and the [Instructional Media Design Commons](#)

Recommended Citation

Reid, P. & Horton, A. (2013, March 20). Exploring Gradient: An interactive online peer-review and assessment tool. Presented at the EDUCAUSE Midwest Regional Conference, Chicago, IL. Available at <http://www.educause.edu/midwest-regional-conference/2013/exploring-gradient-interactive-online-peer-review-and-assessment-tool>.

gradient

Computer Mediated Peer Review

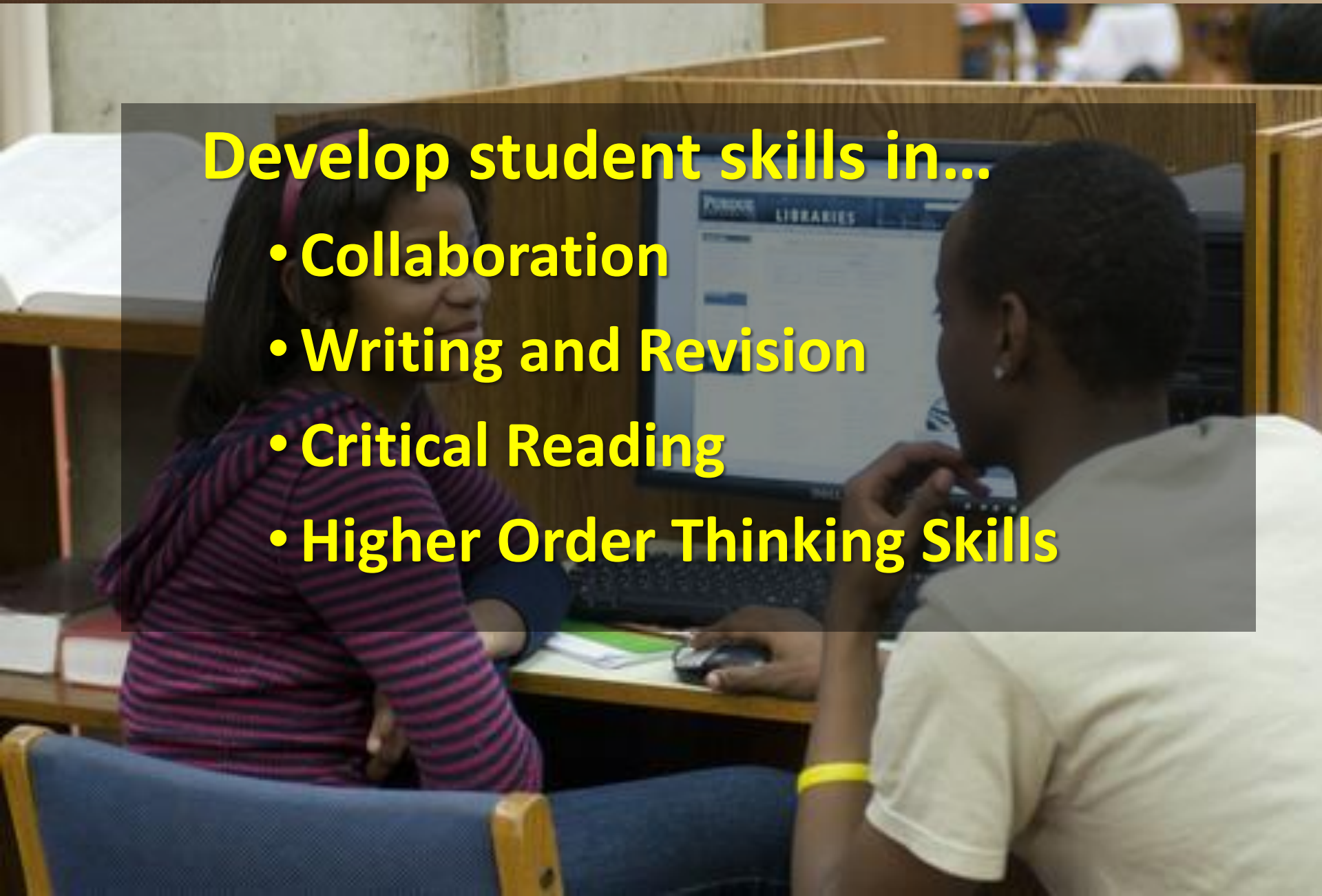
What is Gradient?

- **Web-Based**
- **Developed by ITaP Informatics Team**
 - **Faculty & Academic Support Staff involved in design and revisions**
 - **Used in multiple disciplines**



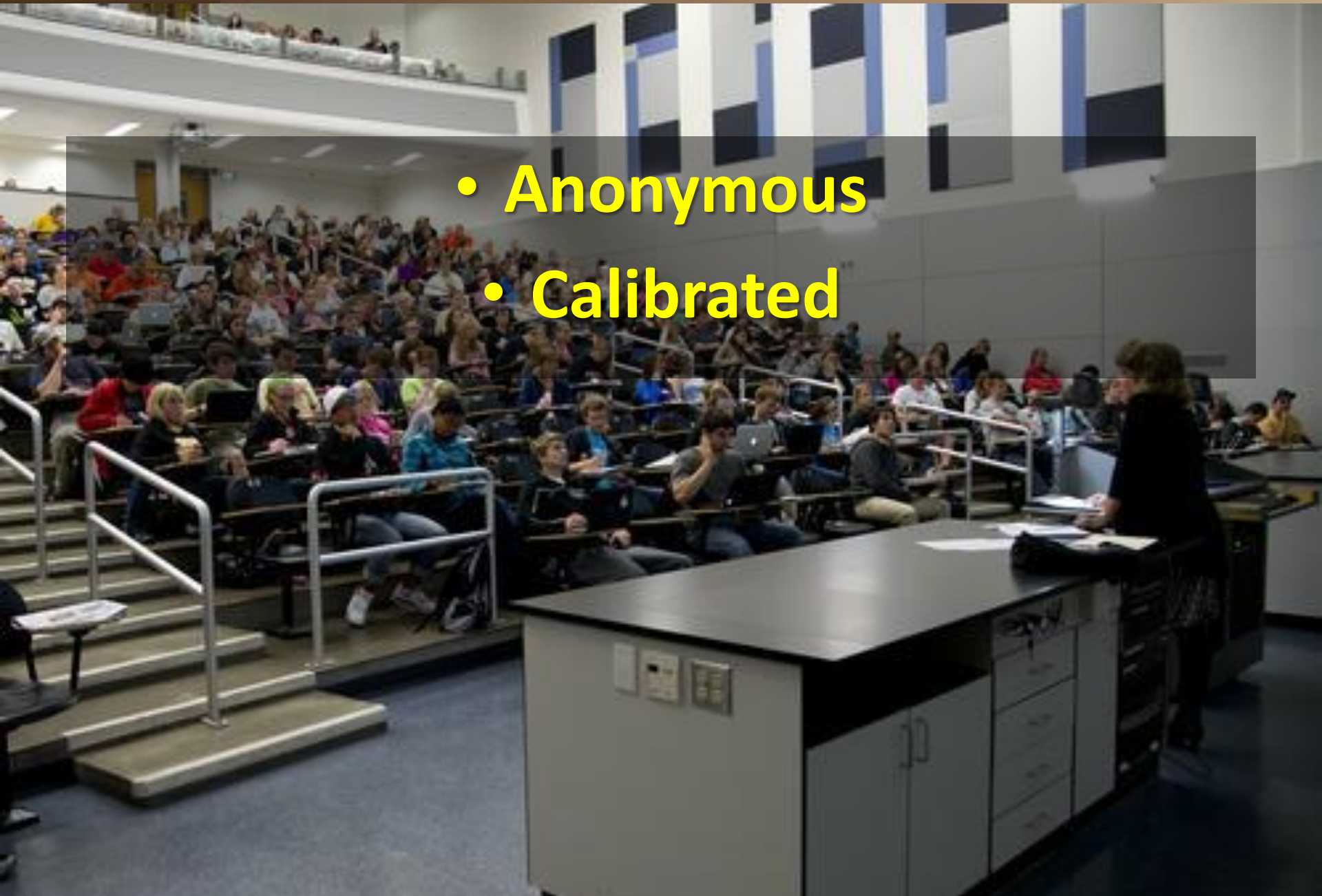
Develop student skills in...

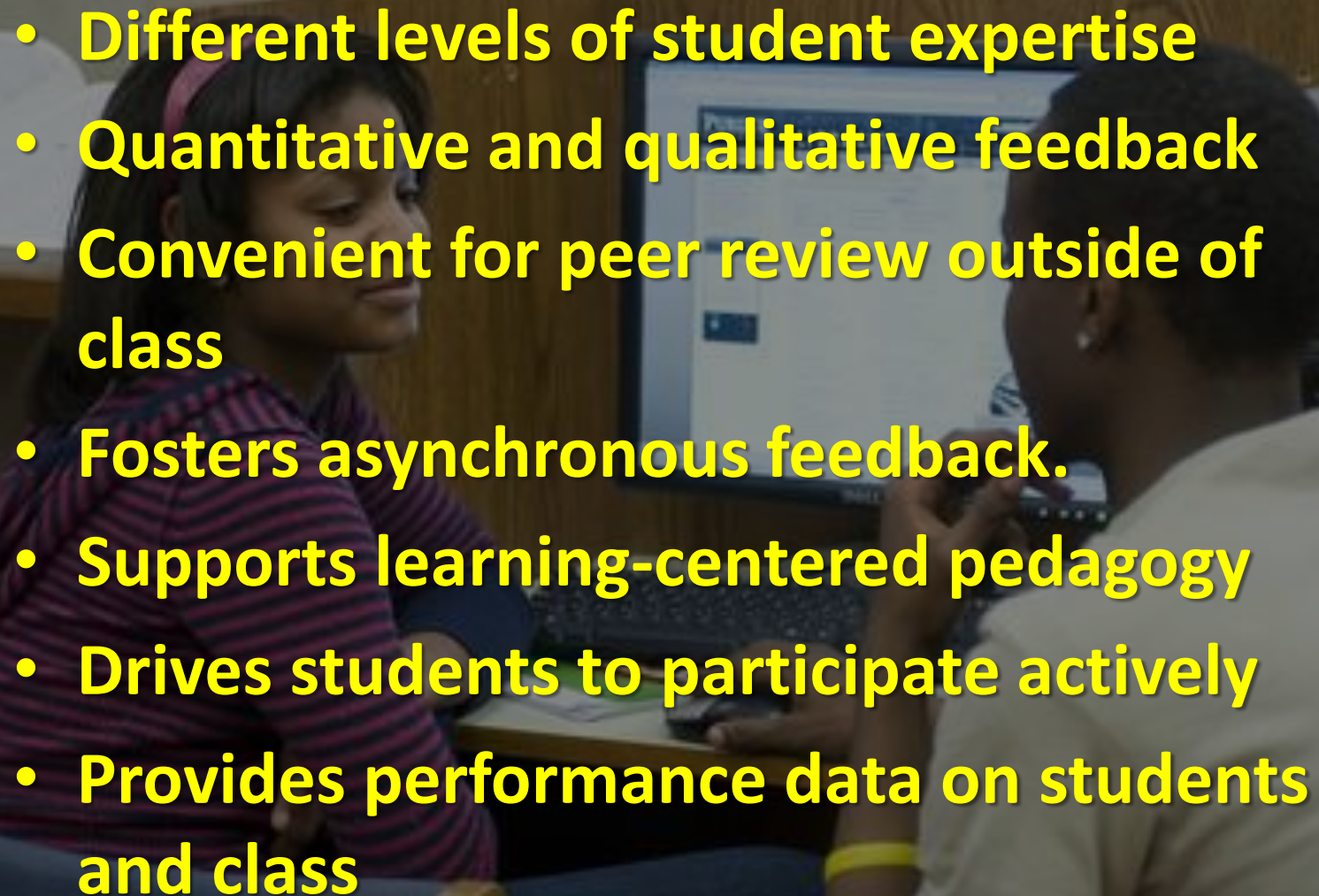
- **Collaboration**
- **Writing and Revision**
- **Critical Reading**
- **Higher Order Thinking Skills**

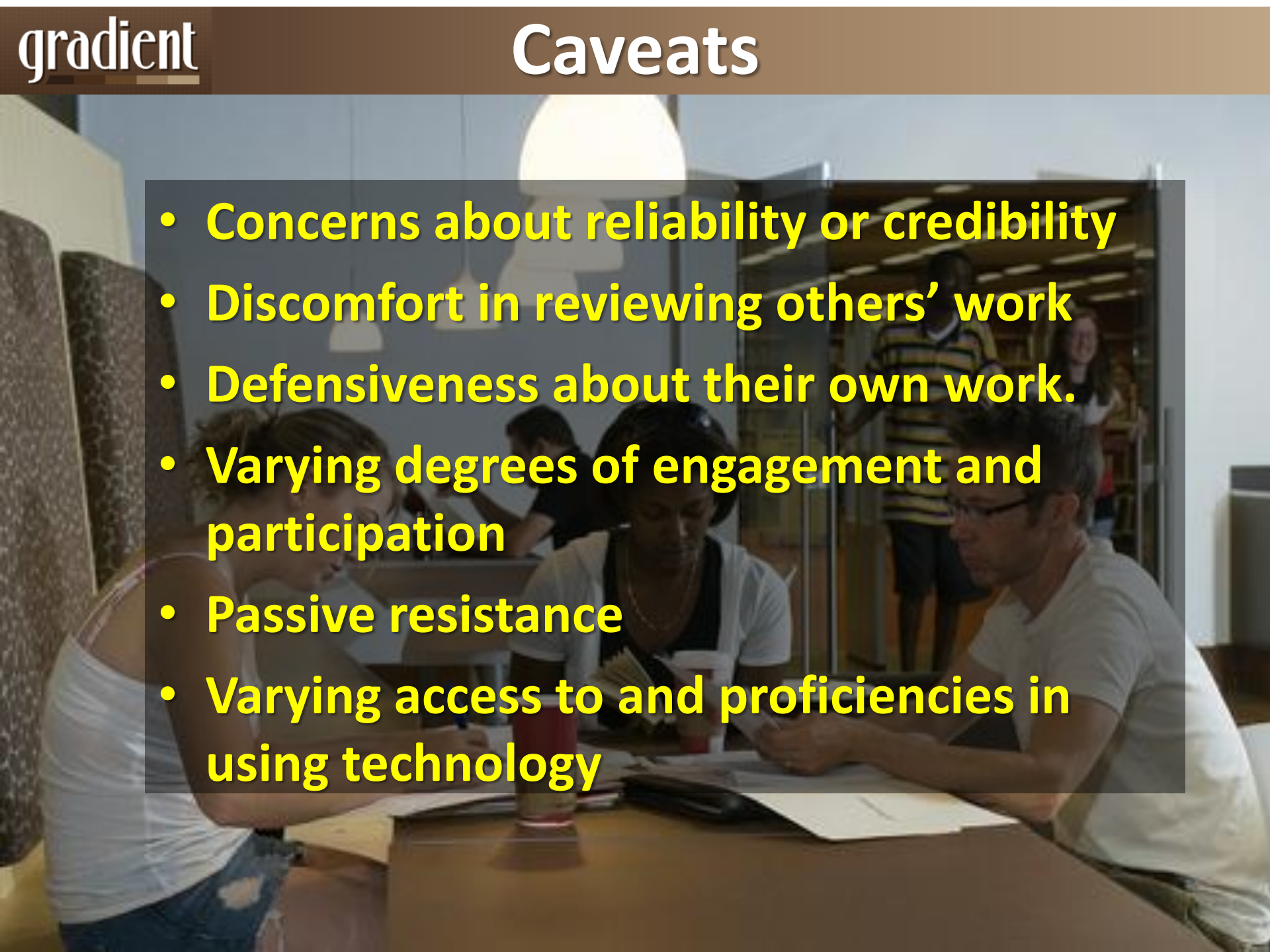


What is Gradient?

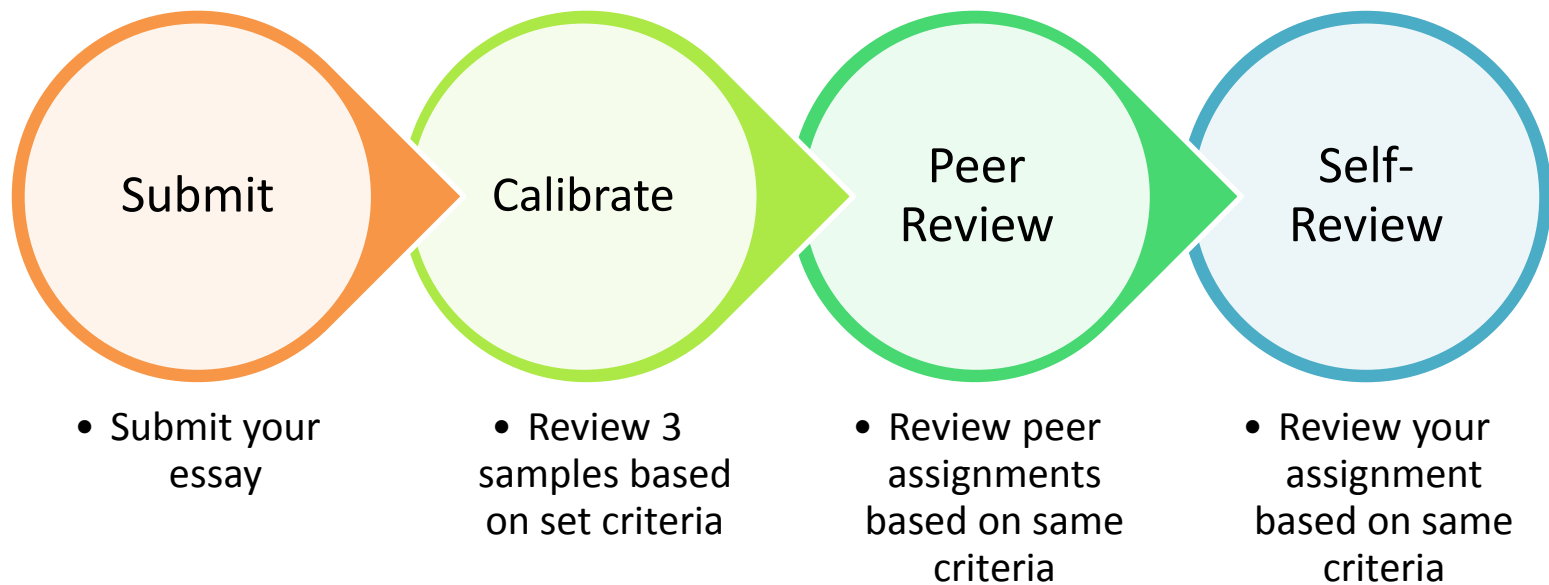
- Anonymous
- Calibrated



- 
- A photograph of two students in a classroom. A young woman with dark hair and a pink headband, wearing a red and black striped shirt, is seated and looking towards a computer monitor. A young man with dark hair, wearing a white t-shirt, is seated next to her, pointing at the computer screen with his right hand. The background shows a classroom environment with wooden desks and other students in the distance.
- Different levels of student expertise
 - Quantitative and qualitative feedback
 - Convenient for peer review outside of class
 - Fosters asynchronous feedback.
 - Supports learning-centered pedagogy
 - Drives students to participate actively
 - Provides performance data on students and class

- Concerns about reliability or credibility
 - Discomfort in reviewing others' work
 - Defensiveness about their own work.
 - Varying degrees of engagement and participation
 - Passive resistance
 - Varying access to and proficiencies in using technology
- 
- A photograph of a group of people in a workshop or meeting room. In the foreground, three people are seated around a table, looking at papers and devices. A woman on the left is wearing a white tank top and jeans. A woman in the center is wearing a white t-shirt and a dark vest. A man on the right is wearing a white t-shirt and glasses. In the background, other people are standing and talking. The room has large windows and modern lighting.

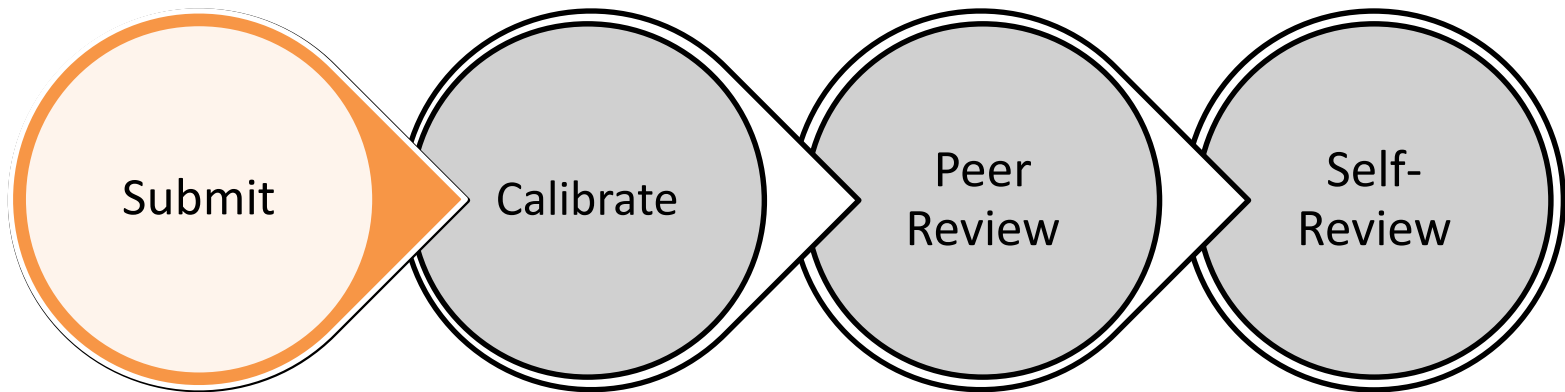
How Gradient Works for Students



Try it!

Step 1 – 10 minutes

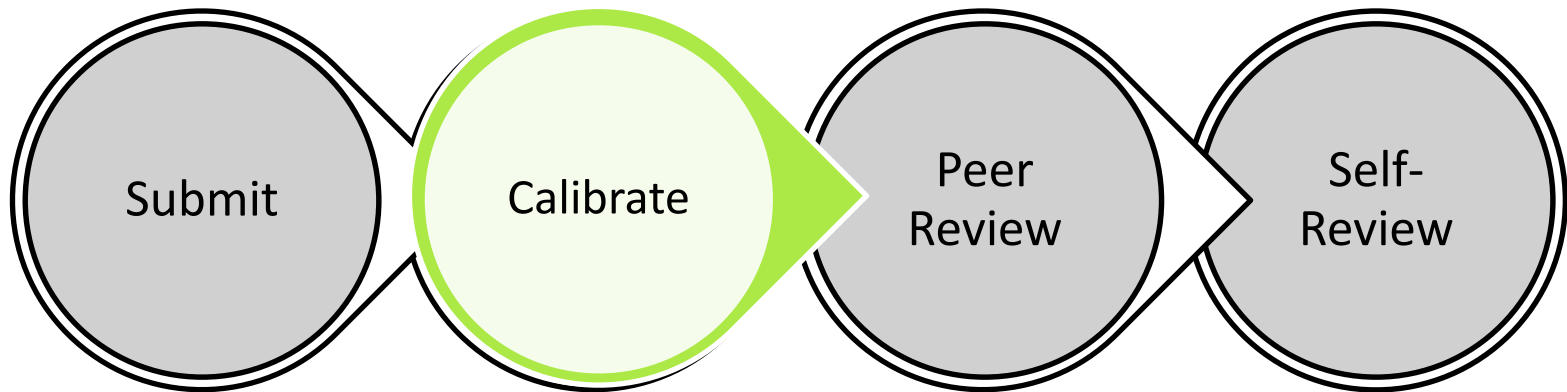
1. Got a device?
2. Partner up
3. Get Gradient - www.purdue.edu/review
4. Answer the question



Try it!

Step 2 – 5 minutes

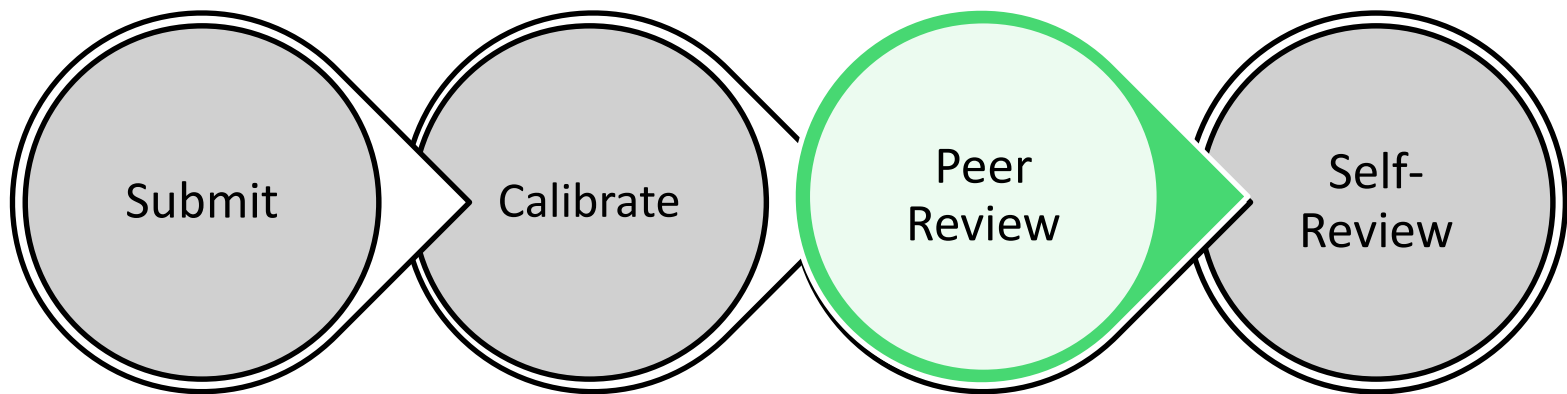
1. Go to **Calibration Essays (SAMPLE ESSAYS)**
2. Answer questions for 1st essay (comments)
3. Answer questions for 2nd essay (comments)
4. Answer questions for 3rd essay (comments)



Try it!

Step 3 – 5 minutes

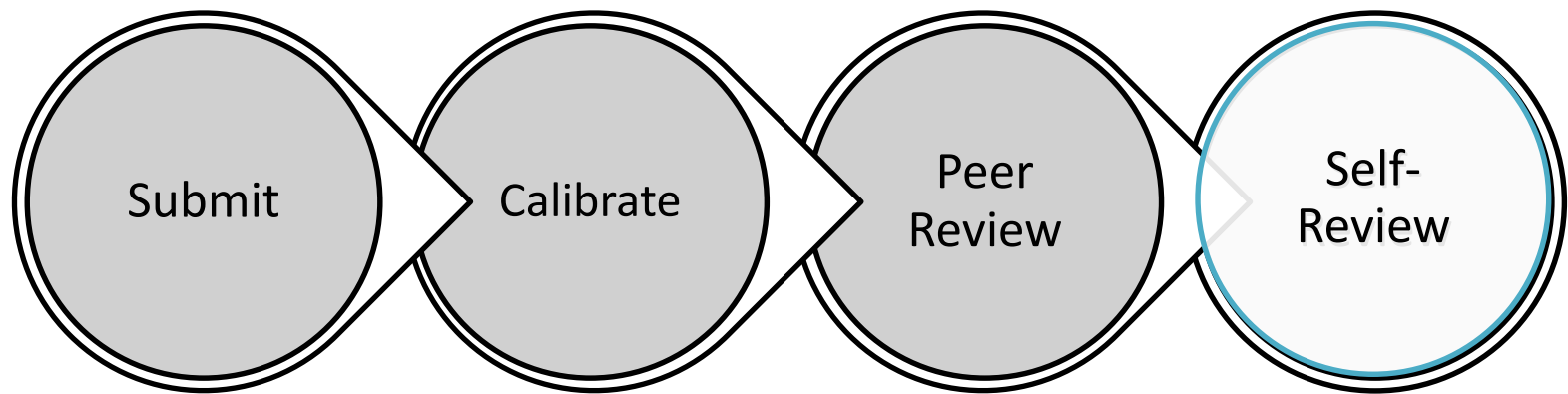
1. Go to **Peer Evaluations (other participants' essays)**
2. Answer questions for 1st peer's essay (comments)
3. Answer questions for 2nd peer's essay (comments)
4. Answer questions for 3rd peer's essay (comments)



Try it!

Step 4 – 5 minutes

1. Go to **Self-Assessment (your original essay)**
2. Answer questions for essay



- Google search for peer review or computer-assisted peer review

Comparing products?

- Calibrated?
- Anonymous?
- Comments captured?
- Easy for students and faculty?
- Tie to LMS / grading?